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FORM OGC-3

FEB 26 2013



STATE OF MISSOURI  
GEOLOGICAL SURVEY PROGRAM  
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

Mo. Oil &amp; Gas Council

☒ APPLICATION TO DRILL    ☐ DEEPEN    ☐ PLUG BACK    ☒ FOR AN OIL WELL    ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR: Kansas Resource Exploration and Development, LLC    DATE: 02/01/2013

ADDRESS: 9393 West 110th St., Suite 500    CITY: Overland Park    STATE: KS    ZIP CODE: 66210

**DESCRIPTION OF WELL AND LEASE**

NAME OF LEASE: MacLaughlin    WELL NUMBER: E-5    ELEVATION (GROUND): 1043'

WELL LOCATION: 1980 ft. from ☐ North ☒ South section line    3300 ft. from ☒ East ☐ West section line

WELL LOCATION: Sec. 4 Township 46 North Range 33 ☐ East ☒ West    LATITUDE: N38 50' 14.13"    LONGITUDE: W94 34' 36.52"    COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 615 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 129 FEET

PROPOSED DEPTH: 700'    343' EW    DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC    ROTARY OR CABLE TOOLS: Rotary    APPROX. DATE WORK WILL START: 03/01/2013

NUMBER OF ACRES IN LEASE: 138    NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 18    NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?    NO. OF WELLS PRODUCING: 14    INJECTION: 3    INACTIVE: 0    ABANDONED: 0

NAME: DE Exploration    ADDRESS: 4595 Highway K33, Wellsville, KS 66092

STATUS OF BOND: ☐ SINGLE WELL AMOUNT \$    ☒ BLANKET BOND AMOUNT \$ 280,000    ☒ ON FILE    ☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE. USE BACK OF FORM IF NEEDED)

PRODUCER

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	6 sks	20	8 5/8"	20	Full LENGTH
700'	4 1/2"	11.6	125 sks	700	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: [Signature]    DATE: 2/1/13

PERMIT NUMBER: 21220    ☒ DRILLER'S LOG REQUIRED    ☒ E-LOGS REQUIRED IF RUN

APPROVED DATE: 4-29-13    ☒ CORE ANALYSIS REQUIRED IF RUN    ☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN

APPROVED BY: Joseph A. [Signature]    ☐ SAMPLES REQUIRED    ☒ SAMPLES NOT REQUIRED

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: B. Leech    DATE: 2-4-13

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FEB 24 2013



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**INJECTION WELL LOCATION PLAT**

Mo Oil & Gas Council

OWNER'S NAME Kansas Resource Exploration & Development, LLC	
LEASE NAME MacLaughlin E-5	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1980 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 3300 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line	
WELL LOCATION Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 50' 14.13"	LONGITUDE W94° 34' 36.52"
REMARKS Plat Map Scale - 1 Square = 660 feet	
<p><b>INSTRUCTIONS</b></p> <p>On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.</p>	<p>This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.</p>
REGISTERED LAND SURVEY	NUMBER





## Missouri Department of Natural Resources

### Geographic Information Systems

## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator  
[Zone 15 North]

Easting  
363145.2067759807 meters

Northing  
4299898.333104158 meters

☐ Decimal Degrees

Latitude  
38.83725833333334 °

Longitude  
-94.57681111111111 °

☒ Degrees, Minutes and Seconds

Latitude Degrees  
38 °

Latitude Minutes  
50 '

Latitude Seconds  
14.13 ''

Longitude Degrees  
-94 °

Longitude Minutes  
34 '

Longitude Seconds  
36.52 ''

<b>UTM Zone 15N [Easting, Northing]</b>	[ 363145.2, 4299898.3 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.837258°, -94.576812° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 50' 14.1", -94° 34' 36.5" ]
<b>County Name</b>	Cass
<b>County FIPS Code</b>	037
<b>Legal Description</b>	Section 04 T46N R33W
<b>Municipality</b>	Belton
<b>House District</b>	56
<b>Senate District</b>	31
<b>Congressional District</b>	4
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Belton [38094-G5]
<b>8 Digit Watershed</b>	10300101 [Lower Missouri-Crooked]
<b>10 Digit Watershed</b>	1030010101 [Blue River]
<b>12 Digit Watershed</b>	103001010104 [Camp Branch-Blue River]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Blackwater/Lamine
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	7.594 s

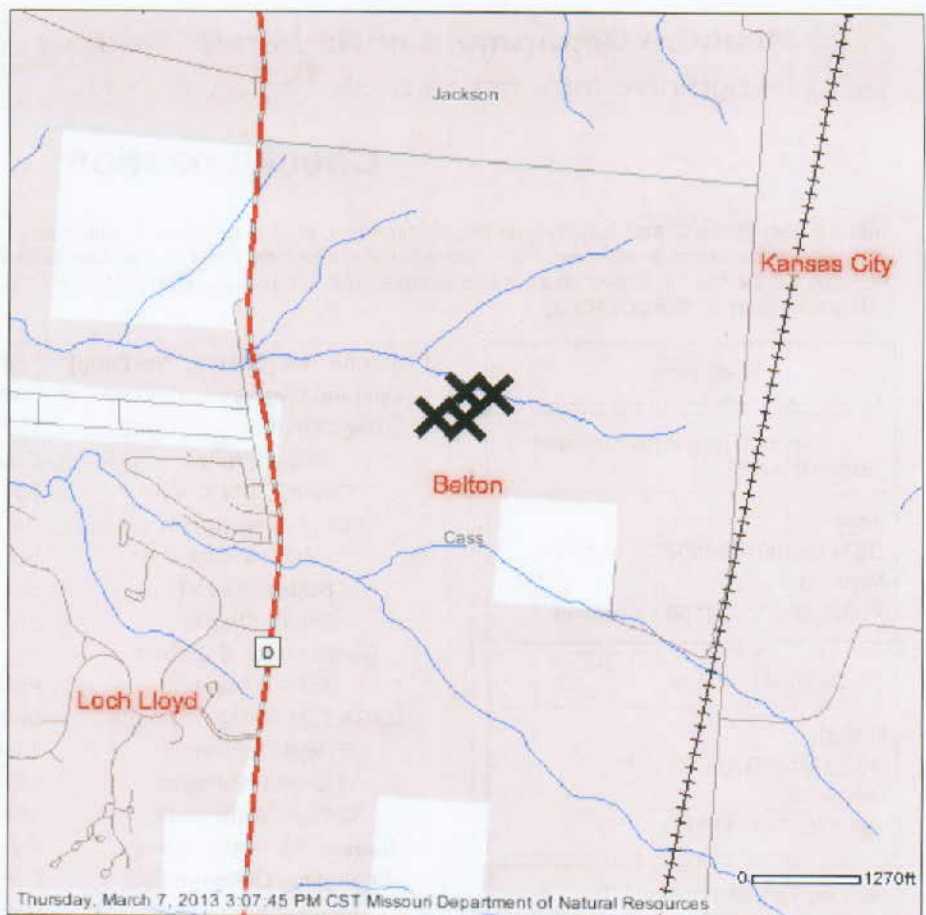
Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

### Metadata

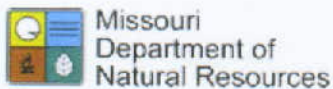
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
- Interstate Highways
  - US Highways
  - State Highways
  - Railroad
  - Major and Minor Roads
  - County Boundary
  - Lakes
  - Major Rivers
  - Rivers and Streams
  - Missouri River
  - Mississippi River
  - Municipal



View Scale 1:24,000

**DISCLAIMER:** Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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